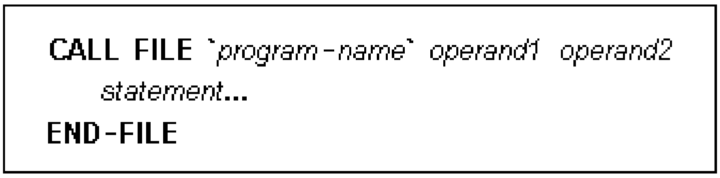
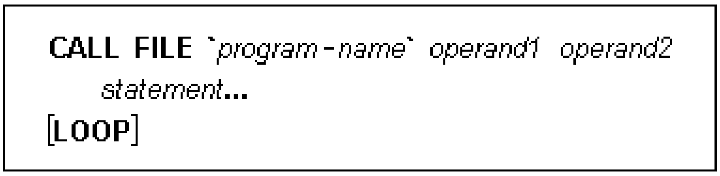
CALL FILE

Structured Mode Syntax



```
CALL FILE 'program-name' operand1 operand2
    statement...
END-FILE
```

Reporting Mode Syntax



```
CALL FILE 'program-name' operand1 operand2
    statement...
[LOOP]
```

Operand	Possible Structure					Possible Formats												Referencing Permitted	Dynamic Definition
Operand1		S	A			A	N	P	I	F	B	D	T	L	C			yes	yes
Operand2		S	A	G		A	N	P	I	F	B	D	T	L	C			yes	yes

Function

The CALL FILE statement is used to call a non-Natural program which reads a record from a non-Adabas file and returns the record to the Natural program for processing.

The CALL FILE statement initiates a processing loop which must be terminated with an ESCAPE or STOP statement. More than one ESCAPE statement may be specified to escape from a CALL FILE loop based on different conditions.

Restriction

The statements AT BREAK, AT START OF DATA and AT END OF DATA must not be used within a CALL FILE processing loop.

Control Field - *operand1*

Operand1 is used to provide control information.

Record Area - *operand2*

Operand2 defines the record area.

The format of the record to be read can be described using field definitions (or FILLER nX) entries following the name of the first field in the record. The fields used to define the record format must not have been previously defined in the Natural program. This ensures that fields are allocated in the contiguous storage by Natural.

Example

Calling Program:

```
/* EXAMPLE ’CFIEX1’: CALL FILE
/*****************************
DEFINE DATA LOCAL
1 #CONTROL (A3)
1 #RECORD
 2 #A (A10)
 2 #B (N3.2)
 2 #FILL1 (A3)
 2 #C (P3.1)
END-DEFINE
/*****************************
CALL FILE ’USER1’ #CONTROL #RECORD
 IF #CONTROL = ’END’
  ESCAPE BOTTOM
 END-IF
END-FILE
/*****************************
/* ... PROCESS RECORD ...
/*****************************
END
```

The byte layout of the record passed by the called program to the Natural program in the above example is as follows:

```
CONTROL #A       #B   FILLER  #C
(A3)   (A10)   (N3.2)  3X   (P3.1)

xxx xxxxxxxxxx xxxxx   xxx   xxx
```

Called COBOL Program:

```
ID DIVISION.
PROGRAM-ID. USER1.
ENVIRONMENT DIVISION.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
     SELECT USRFILE ASSIGN UT-S-FILEUSR.
DATA DIVISION.
FILE SECTION.
FD   USRFILE RECORDING F LABEL RECORD OMITTED
     DATA RECORD DATA-IN.
01   DATA-IN         PIC X(80).
LINKAGE SECTION.
01   CONTROL-FIELD   PIC XXX.
01   RECORD-IN       PIC X(21).
PROCEDURE DIVISION USING CONTROL-FIELD RECORD-IN.
BEGIN.
     GO TO FILE-OPEN.
FILE-OPEN.
     OPEN INPUT USRFILE
     MOVE SPACES TO CONTROL-FIELD.
     ALTER BEGIN TO PROCEED TO FILE-READ.
FILE-READ.
     READ USRFILE INTO RECORD-IN
          AT END
          MOVE ’END’ TO CONTROL-FIELD
          CLOSE USRFILE
          ALTER BEGIN TO PROCEED TO FILE-OPEN.
     GOBACK.
```